

CALFED DRINKING WATER QUALITY EARLY IMPLEMENTATION ACTIONS & STUDIES

Assessment of Sources and Magnitudes of Loads for Drinking Water Constituents of Concern

The purpose of this study is to determine baseline water quality conditions under various hydrologic conditions and operational scenarios and to identify additional monitoring needs. Baseline water quality conditions must be well defined to measure the effectiveness of actions conducted under CALFED's Drinking Water Quality Improvement Strategy. The assessment will focus on four study tasks:

- 1) Determine parameters of concern, benchmark locations, and contaminant sources
- 2) Identify, obtain and compile historical data
- 3) Conduct statistical analysis of historical data
- 4) Formulate and conduct modeling analysis as required

A project proposal is being prepared by CALFED staff, with technical input from CALFED's Drinking Water Quality Constituents Workgroup.

Veale/Byron Tract Drainage Discharge Management

This action focuses on a group of measures designed to improve both the quantity and quality of drainage discharges from Veale and Byron Tracts and to improve the drinking water sources at south Delta drinking water intakes. The measures may include: drain relocations, outfall improvements, discharge timing management, drainage treatment and storm flow management

Several solution approaches are emerging from meetings with stakeholders. Modifying the existing Byron Tract outfall could be a cost-effective measure to reduce adverse impacts on water quality at CCWD's Los Vaqueros intake. A comprehensive investigation of drainage sources influencing CCWD's Rock Slough intake has been recommended, as no single action has emerged as clearly superior for Veale Tract. Use of wetlands for treating drainage from Veale and Byron Tracts has also been recommended.

A project proposal is being prepared by CALFED staff, with technical input from CALFED's Veale/Byron Tract Workgroup. The workgroup consists of water districts, reclamation and irrigation districts, marina owners, property owners, State, Federal and local government.

Bay Area Regional Blending Assessment

As part of its Drinking Water Quality Improvement Strategy, CALFED will consider opportunities to engage in water exchanges to meet drinking water quality needs. The purpose of this assessment is to investigate the potential for water exchanges to improve source water quality for Bay Area urban water suppliers. The initial phase will focus on two technical tasks:

- 1) quantitatively assess individual agency needs for higher quality source water; and
- 2) assess the ability of existing facilities to convey the needed quantities assuming the water is available.

An additional phase identifying specific sources of higher quality supply will be undertaken if warranted by the results of the initial phase. The Bay Area Regional Blending Assessment would be conducted through a CALFED consultant, with policy and technical input provided through stakeholder committees.